

Claims

1. A method for the transmission of data from a transmitter (ST) to a receiver
5 (SR), wherein the receiver (SR) performs a check whether received data (DP) is erroneous and wherein the transmitter (ST) performs a further data transmission according to said check, characterized in that the following steps are performed:
 - determining a reliability measure (RM) for the received data (DP),
 - 10 - performing a comparison of the reliability measure (RM) to a reliability threshold (RT),
 - performing the further data transmission according to the result of the comparison.
- 15 2. The method according to claim 1, wherein the further data transmissions are performed for data (DP), which is detected as erroneous.
3. The method according to claim 1 or 2, wherein the receiver (SR) requests
20 the further data transmissions according to the comparison.
4. The method according to any preceding claim, wherein the reliability measure (RM) is determined for a selected part of the received data (DP).
5. The method according to any preceding claim, wherein at least one further
25 condition determines whether the further data transmission is performed.
6. The method according to claim 5, wherein at least one second reliability
30 threshold is defined and wherein a decision is performed to continue further data transmissions until a selected one of the reliability thresholds is achieved.

7. The method according to any preceding claim, wherein the receiver (SR) sends reliability information (RI) indicating an error level of the received data (DP) to the transmitter (ST).
- 5 8. The method according to any of the claims 3 to 7, wherein an optional retransmission request is defined, the receiver (SR) sends the optional retransmission request if the reliability measure (RM) is at least equal to one of the reliability thresholds (RT), and wherein the transmitter (ST) performs a decision, whether a further data transmission is performed in reply to the
10 optional retransmission request.
9. The method according to any preceding claim, wherein the transmitter (ST) sends a reliability requirement to the receiver (SR).
- 15 10. The method according to any preceding claim, wherein the reliability measure (RM) is provided to a higher protocol layer (AP) or an application and the processing of the higher protocol layer (AP) or the application is adapted according to the reliability measure (RM).
- 20 11. A receiver for data sent by a transmitter (ST), wherein the receiver (SR) has a receiving unit (TRU) for the data (DP) and for forwarding said data (DP) to a processing system (PRU), wherein the processing system (PRU) is adapted to perform a check whether received data (DP) is erroneous, and wherein the receiver (SR) has a transmission unit adapted to send a request
25 to the transmitter (ST) for a further data transmission according to said check, characterized in that the processing system (PRU) comprises a unit for determining a reliability measure (RM) for the received data (DP), the processing system (PRU) comprises a unit for a comparison of the reliability measure (RM) to a reliability threshold (RT), and the processing system
30 (PRU) is adapted to initiate the request for the further data transmission according to the result of the comparison.

12. A transmitter with a transmission unit for sending data (DP) to a receiver (SR), with a receiving unit for receiving requests from the receiver (SR) for a further transmission of sent data, and with a processing system for storing the sent data and for retrieving the stored data according to the requests
5 and initiating a further data transmission by the transmission unit,
characterized in that the processing system comprises a unit for determining a reliability measure (RM) for the data received by the receiver (SR), the processing system comprises a unit for a comparison of the reliability measure (RM) to a reliability threshold (RT), and the processing system is
10 adapted to initiate the further data transmission according to the result of the comparison.

13. A program unit for controlling the transmission of data (DP) from a transmitter (ST) to a receiver (SR), wherein the receiver (SR) performs a
15 check whether received data (DP) is erroneous and wherein the transmitter (ST) performs a further data transmission according to said check,
characterized in that the program unit comprises code for performing the steps of:
- obtaining a reliability measure (RM) for the received data (DP),
20 - performing a comparison of the reliability measure (RM) to a reliability threshold (RT),
- initiating the further data transmission according to the result of the comparison.